



SWARC NEWS

Notes from KK4BK

In December of last year, I challenged each of you to try something different in the realm of Amateur Radio.

I told you I would be operating in the CW Mode. This is just to provide an update.

I have Worked/Confirmed thru LOTW 42 of 50 states. I have spent each month working State QSO Parties and Special Event stations that are doing a CW station.

I find this information, mostly, in the QST magazine. I also have a special bookmark to the WA7BNM Contest Calendar (<https://www.contestcalendar.com/weeklycont.php>). If you are interested in getting more contacts to a specific area – then these areas will help you know when they will be most active.

One of the areas of the US I have a problem with is Hawaii. So, if that is one you still need for WAS – then know – the Hawaii QSO party is on 8/22 – 8/24. And from this area, for 40 meters, from 0500 – 1200 UTC is the best time to try on 40 meters. 0000 – 0300 and 1700 – 2100 hours UTC are the best time for 20 meters.

If you have not started, you can start today. While I will not finish my CW WAS by the end of the year, I will finish it – just because.

Goals can be established anytime. - KK4BK

Meeting Notes

The meeting was called to order on-the-web at 7:00 pm by President Brian Knox, KK4BK. We were once again social distancing as hams do by holding our meeting via Zoom from the comfort of our homes.

Fifteen (15) attendees were present during the course of the meeting including:

Richard Hall (K7RLH), Brian Knox (KK4BK), Bernie Jones (N4BAJ), Ron Cooney (K4AAA), Mike Callam (KD4MC), Dave Krum ((NW3U), Bill Blomgren (KK4QDZ), Andy McDaniel (KN4JJU), Al Crawford (WA4TCJ), Linda Crawford (KI4LO), Mike Akers (KN4CBZ), Steve Mowels (KA0GMY), Joe Pittman (KM4YTF), John Paul Keon (AB4PP), Al Kinnamon (WA3JJG)

Bernie let the pledge of allegiance. The group sounded great and recited the pledge in perfect unison over the internet.

Brian discussed the membership drive. Fourteen members have paid dues although it is likely that several additional membership applications are in the club's mailbox. He encouraged everyone to send in their application as club dues are the #1 revenue source for the club and are needed to keep operations up and running.

Brian took a moment to express his and the club's deepest sympathies to Ron who recently lost his wife. The club has made a donation to the American Kidney Fund in her honor.

Richard and Steve have recently discussed the annual SWARC SwapFest. Consideration is being given to holding the SwapFest on Saturday October 17th at the Golden Corral where Saturday breakfasts are held. More information to follow.

Attendees discuss the possibility of holding a Fall cookout if it's safe to do so from a COVID perspective. The Legion has a covered area with some seating. Attendees expressed some desire for a larger venue to ensure adequate social distancing. Mike mentioned that Lake Benson

has a large pavilion and there may be an opportunity to hold a joint JARS and SWARC outing. Feedback from members on these ideas will be solicited before any decisions are made.

SWARC is approaching its 12th anniversary! Brian suggested we consider operating a special event station to celebrate. Consideration is being given to hold the special event on November 30th – the Monday before the December meeting. It is envisioned that the SWARC special event station would broadcast for a few hours on 20m, 40m, and 80m on CW and voice. Several members during the meeting volunteered to participate. A call out for additional volunteers will be made in the near future.

Brian asked if it made sense to hold another raffle during these COVID times. Since many raffle tickets are sold at the various area HamFests, many of which have been postponed/canceled, the general consensus was that a raffle would not likely be feasible at the present time.

Mike noted that he would likely know by September whether or not JARSFest will happen this year.

Brian asked how people felt about holding an in-person meeting in September in light of COVID. The general consensus was that since a number of members are either in the high risk category, or are providing care for someone in the high risk category, it is best to continue remote meetings until conditions improve.

Brian noted that on the Legion property Gator's favorite Field Day antenna tree was struck by lightning, severely damaged, and had to be taken down. Thankfully the club's wonderful new radio shack building was not adversely affected by the storm.

The main presentation for the meeting was given by Richard and entitled "Introduction to D-Star, DMR and Yaesu System Fusion Voice Mode Technology". The presentation was originally authored by Brian Young (KA9QJT) and presented by him at the 47th annual RARSFest. These modes offer many opportunities for experimentation and are another way of talking to people all over the

world. Audio quality is reported to be excellent. Richard and Brian recommended ARRL members check out the new ARRL Learning Network for recorded past webinars and future webinars on these technologies. The ARRL webinars are presented by subject matter experts and are packed with useful reference information that can be referred to for detailed information on the topic.

After Richard's presentation Brian called for a round robin of final thoughts by the attendees. Many of the members expressed appreciation for the many contributions Ron has made to the club and wished him well as he starts a new stage of life in Fort Davis, TX. We wish Ron all the best and look forward to talking with him on the air!

Brian concluded the meeting at 8:13pm.

73, Andy McDaniel – KN4JJU - Secretary

South Wake Amateur Radio Club

Treasurer Report July 2020

Club Addition and Reduction Activity

Additions

Dues	30.00	ck# 1353	Ronald Clanton (KE7NJ)
Dues	35.00	ck# 10018	Kenneth (N1VK) and Ann (W1AAN) Person
Dues	30.00	ck# 5436	Andrew McDaniel (KN4JJU)
Dues	30.00	ck# 1146	Stephen Brooks (KT4JL)
Dues	30.00	ck# 2416	Michael Akers (KN4CBZ)
Dues	30.00	ck# 3811	Julie Royster (KT4JR)
Dues	35.00	ck# 8630	Michael (KD4OKR) and Mary Alice (KD4OKQ) Ramsey
Dues	35.00	ck# 6891	Albert (WA4TCJ) and Linda (KI4LO) Crawford
Dues	35.00	ck# 6580	David (NW3U) and Penny Krum

Total Additions 290.00

Reductions

Donation	75.00	cash	American Kidney Fund-in memory of K4AAA's wife
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Total Reductions 75.00

RBC Bank Account Activity

Balance as of 07/06/2020	1034.91		
Addition	290.00		
Reduction	75.00		

**Balance as of
07/31/2020** 1249.91

Christine Fernandini KJ4AEO 08/05/2020

MEMBERSHIP

Just a reminder that it is that time again to pay membership dues.

\$30 for individual and \$5 for each family member.

You can bring a check or cash to the next meeting or mail them to the club PO box and Christy will let me know she has received them so I can update the list. If you mail them, give me a heads up so I can mark it as pending on the roster.

Makes checks payable to South Wake ARC.

If you are going to mail it, send it to South Wake ARC – PO Box 1565 – Fuquay Varina, NC 27526

I will be developing an online form so new members can fill out the application online and mail or bring a check to a meeting.

I will be reaching out to all members here soon to make sure I have the latest contact information, addresses, etc so I can make sure the membership list reflects current information.

Thanks

Ryan Avery

NC4RA

rwavery@charter.net

NET REPORT

****There are some dates that no report was documented or received. Ask your net control to document the daily counts so that you show the HIGHER standard of check-in that you have achieved.**

By Call Sign		Call Sign	Checkin#	Call Sign	Checkin#	By Date	
Call Sign	Checkin#					Net Date	Counts
KK4QDZ	12	KM4IJK	2	N4SMB	1	7/1/2020	8
K7RLH	11	KD4MC	2	N4SBB	1	7/4/2020	14
WA3JJG	10	W3JJG	2	N4MRW	1	7/5/2020	6
N4BAJ	9	W1JCA	2	N4MQU	1	7/8/2020	7
KJ4CVK	9	N4NCK	2	N4LEW	1	7/11/2020	13
KK4BK	8	KI4KYD	1	N4KLW	1	7/12/2020	7
WA4TCJ	7	AK4XZ	1	KW4BT	1	7/15/2020	15
KN4OEY	7	K3CON	1	KM4JEH	1	7/18/2020	17
KI4RAN	5	K4QDZ	1	KO4FIY	1	7/19/2020	11
AB4PP	4	KE4QBW	1	KJ5SJS	1	7/20/2020	9
AJ4NX	4	KI4QHM	1	KN4WJL	1	7/22/2020	16
KN4JJU	3	KE4RUN	1	KN4NRI	1	7/25/2020	22
N4AED	3	KI4DCR	1	KN4KYV	1	7/26/2020	11
K4MRB	3	KA0GMY	1	KN4JLA	1		
KT4JR	3	KB4ZXU	1	KM4WDO	1		
KI4WAI	3	KE5OLM	1	KM4MRB	1		
KK4BVU	3	KM4JZA	1	WB4UFO	1		
WA2PIX	3	K4WLG	1	KM4JLA	1		
KG4JOK	2	KO4DPC	1	KM4GDU	1		
KE4VNX	2	W5QMT	1	KT4JTR	1		

Public Service

Check the RARS web site often for Public Service opportunities.

BOARD OF DIRECTORS

Appointed Positions

President

Brian Knox – KK4BK

Vice President

Richard Hall – K7RLH

Secretary

Andy McDaniel – KN4JJU

Treasurer

Christy Fernandini - KJ4AEO

Member-At-Large

Al Crawford – WA4TCJ

Member-At-Large

Bernie Jones – N4BAJ

Member-At-Large

Mike Gaither – K4MWG

Membership Chair

Ryan Avery – NC4RA

NET MANAGER

Steve – KA0GMY

Special Events Director

Gino Fernandini –KI4YXO

Public Service Director

David Krum – NW3U

SWARC Mission Statement

South Wake ARC's primary purpose is to further the Amateur Radio Service through programs, activities, and education, in order to promote the radio knowledge, fraternalism and individual operating efficiency of our members. Further, it shall be our purpose to support the welfare of our community through public service including radio communications for emergency situations and public events, and through providing information, training, and assistance to individuals or organizations with an interest in the Amateur Radio Service.

LINKS (if you have other links you want added then send them to me)

PRN

A Wide Area Digital Amateur Radio Network www.ncprn.net

GigaParts www.gigaparts.com

QRZ www.qrz.com

Ham Radio Outlet HRO www.hamradio.com

Raleigh Amateur Radio Society RARS www.rars.org

Johnson Amateur Radio Society JARS www.jars.net

South Wake Amateur Radio Club SWARC www.southwakearc.com

There are events going on all the time: you got Islands on the Air (IOTA), and then there is working Light Houses, don't forget all the special events there is something new each week. Here is one for you Mark, N4MQU is always setting up and working from different locations or likes to run different nets as the net control.

See how many times you can work Mark in his different rolls during the week. If nothing else take your radio to the backyard and work some stations. Just have fun.

ATTENTION

Our club is like other clubs we have a mixture of memberships. We have everything from young pre-teen members to those who are “Advanced Teens”. The point is - make to be checking in on our older members to see if they could use any help.

Question of the month WHO HAVE YOU HELPED THIS MONTH?

ARRL News

Solar Minimum Most Likely Occurred in December 2019

08/31/2020

Sunspot Index and Long-Term Solar Observations (**SILSO**) in Belgium said this month that the minimum between Solar Cycles 24 and 25 “most probably” took place last December. SILSO, a part of the Royal Observatory of Belgium and formerly known as SIDC, cited as evidence the January 2020 increase in the **13-month smoothed sunspot number** — the first upswing since the Cycle 24 maximum in April 2014.

“[F]or now, this latest smoothed value in January 2020 is the very first point indicating a rise of the activity. So, the date of the minimum still needs a full confirmation over the coming months,” SILSO [said](#) on its website. “For now, preliminary smoothed values, limited to less than 13 months, hint at increasing values over coming months. If the rising trend indeed continues, this [December 2019] date will become fully definitive.”

SILSO said another indication of the transition between the two solar cycles can be drawn from counting individual sunspot groups that belong to either the old or new solar cycle. “While most sunspot groups belonged to the last solar cycle [Cycle 24] until September 2019, the dominance switched to groups of the new cycle in November 2019,” SILSO said.

SILSO said that in terms of the number of active regions, the minimum between Cycle 24 and Cycle 25 falls in October 2019. “This is close to December 2019,” SILSO said.

FCC Proposes to Reinstate Amateur Radio Service Fees

08/28/2020

[UPDATED 2020-09-01 @1845 UTC] Amateur radio licensees would pay a \$50 fee for each amateur radio license application if the FCC adopts rules it proposed this week. Included in the FCC’s fee proposal are applications for new licenses, renewal and upgrades to existing licenses, and vanity call sign requests. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees.

The FCC proposal is contained in a *Notice of Proposed Rulemaking (NPRM)* in MD Docket 20-270, which was adopted to implement portions of the “Repack Airwaves Yielding Better Access for Users of Modern Services Act” of 2018 — the so-called “**Ray Baum’s Act**.”

The Act requires that the FCC switch from a Congressionally-mandated fee structure to a cost-based system of assessment. In its *NPRM*, the FCC proposed application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service that had been excluded by an earlier statute. The 2018 statute excludes the Amateur Service from annual regulatory fees, but not from application fees. "[A]pplications for personal licenses are mostly automated and do not have individualized staff costs for data input or review," the FCC said in its *NPRM*. "For these automated processes — new/major modifications, renewal, and minor modifications — we propose a nominal application fee of \$50 due to automating the processes, routine ULS maintenance, and limited instances where staff input is required."

The same \$50 fee would apply to all Amateur Service applications, including those for vanity call signs. "Although there is currently no fee for vanity call signs in the Amateur Radio Service, we find that such applications impose similar costs in aggregate on Commission resources as new applications and therefore propose a \$50 fee," the FCC said.

The FCC is not proposing to charge for administrative updates, such as mailing address changes for amateur applications, and amateur radio will remain exempt from annual regulatory fees. "For administrative updates [and] modifications, which also are highly automated, we find that it is in the public interest to encourage licensees to update their [own] information without a charge," the FCC said.

The FCC also proposes to assess a \$50 fee for individuals who want a printed copy of their license. "The Commission has proposed to eliminate these services — but to the extent the Commission does not do so, we propose a fee of \$50 to cover the costs of these services," the FCC said.

The Ray Baum's Act does not exempt filing fees in the Amateur Radio Service. The FCC dropped assessment of fees for vanity call signs several years ago.

Deadlines for comments and reply comments will be determined once the *NPRM* appears in the *Federal Register*. Interested parties may file comments by using the FCC's Electronic Comment Filing System ([ECFS](#)), posting to MD Docket No. 20-270. This docket is already open to accept comments, even though deadlines have not yet been set.

Board of Directors Elects New ARRL CEO David Minster, NA2AA

08/27/2020

The ARRL Board of Directors has elected David Minster, NA2AA, of Wayne, New Jersey, as ARRL's new Chief Executive Officer, starting on September 28. Minster is currently Managing Partner at Talentrian Partners, a management consulting firm serving the consumer goods and luxury goods industries.

Minster began his career as a software engineer, moving into management at Unilever, as a Chief Information Officer of this globally recognized portfolio of brands that includes Elizabeth Arden Company, Chesebrough-Ponds Canada, Thomas J. Lipton Co., and others. From there, he moved to fine jewelry manufacturer and retailer David Yurman, where he served as COO and CIO. More recently, Minster served as CEO of jewelry brands Scott Kay and Judith Ripka.

"Building a culture of accomplishment and accountability is what I do best. My initial focus will be working with the Board on establishing strategic goals and concrete plans to navigate ARRL through the digital transformation required for the coming decades of its Second Century. This includes exciting and innovative ways to be engaged in amateur radio, while growing activity and membership."

<http://www.arrl.org/news/board-of-directors-elects-new-arrrl-ceo-david-minster-na2aa>

Upcoming Contest (<https://www.contestcalendar.com/contestcal.html>)

September 2020

+ Worldwide Sideband Activity Contest

0100Z-0159Z, Sep 1

+ QCX Challenge	0300Z-0400Z, Sep 1
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 1
+ Phone Fray	0230Z-0300Z, Sep 2
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 2
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Sep 2
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 2
+ UKEICC 80m Contest	2000Z-2100Z, Sep 2
+ G3ZQS Memorial Straight Key Contest	2300Z, Sep 2 to 2300Z, Sep 4
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 3
+ NRAU 10m Activity Contest	1800Z-1900Z, Sep 3 (CW) and 1900Z-2000Z, Sep 3 (SSB) and 2000Z-2100Z, Sep 3 (FM) and 2100Z-2200Z, Sep 3 (Dig)
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 3
+ SKCC Sprint Europe	1900Z-2100Z, Sep 3
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 4
+ NCCC Sprint Ladder	0230Z-0300Z, Sep 4
+ Russian RTTY WW Contest	0000Z-2359Z, Sep 5
+ CWOps CW Open	0000Z-0359Z, Sep 5
+ All Asian DX Contest, Phone	0000Z, Sep 5 to 2400Z, Sep 6
+ Wake-Up! QRP Sprint	0600Z-0629Z, Sep 5 and 0630Z-0659Z, Sep 5 and 0700Z-0729Z, Sep 5 and 0730Z-0800Z, Sep 5
+ CWOps CW Open	1200Z-1559Z, Sep 5
+ AGCW Straight Key Party	1300Z-1600Z, Sep 5
+ RSGB SSB Field Day	1300Z, Sep 5 to 1300Z, Sep 6
+ Colorado QSO Party	1300Z, Sep 5 to 0400Z, Sep 6
+ IARU Region 1 Field Day, SSB	1300Z, Sep 5 to 1259Z, Sep 6
+ IARU Region 1 145 MHz Contest	1400Z, Sep 5 to 1400Z, Sep 6
+ CWOps CW Open	2000Z-2359Z, Sep 5
+ PODXS 070 Club Jay Hudak Memorial 80m Sprint	2000Z, Sep 5 to 2000Z, Sep 6
+ WAB 144 MHz QRO Phone	1000Z-1400Z, Sep 6
+ Tennessee QSO Party	1800Z, Sep 6 to 0300Z, Sep 7
+ RSGB 80m Autumn Series, SSB	1900Z-2030Z, Sep 7
+ MI QRP Labor Day CW Sprint	2300Z, Sep 7 to 0300Z, Sep 8
+ ARS Spartan Sprint	0100Z-0300Z, Sep 8
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 8
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 8
+ Phone Fray	0230Z-0300Z, Sep 9
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 9
+ VHF-UHF FT8 Activity Contest	1700Z-2000Z, Sep 9
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 9
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 10
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 10

+ NCCC RTTY Sprint	0145Z-0215Z, Sep 11
+ NCCC Sprint Ladder	0230Z-0300Z, Sep 11
+ ARRL EME Contest	0000Z, Sep 12 to 2359Z, Sep 13
+ FOC QSO Party	0000Z-2359Z, Sep 12
+ WAE DX Contest, SSB	0000Z, Sep 12 to 2359Z, Sep 13
+ SARL Field Day Contest	1000Z, Sep 12 to 1000Z, Sep 13
+ SKCC Weekend Sprintathon	1200Z, Sep 12 to 2400Z, Sep 13
+ Texas QSO Party	1400Z, Sep 12 to 0200Z, Sep 13 and 1400Z-2000Z, Sep 13
+ Ohio State Parks on the Air	1400Z-2200Z, Sep 12
+ Russian Cup Digital Contest	1500Z-1859Z, Sep 12 and 0600Z-0959Z, Sep 13
+ Alabama QSO Party	1500Z, Sep 12 to 0300Z, Sep 13
+ ARRL September VHF Contest	1800Z, Sep 12 to 0300Z, Sep 14
+ North American Sprint, CW	0000Z-0400Z, Sep 13
+ Swiss HTC QRP Sprint	1300Z-1900Z, Sep 13
+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Sep 14
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 15
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 15
+ Phone Fray	0230Z-0300Z, Sep 16
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 16
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 16
+ RSGB 80m Autumn Series, CW	1900Z-2030Z, Sep 16
+ NAQCC CW Sprint	0030Z-0230Z, Sep 17
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 17
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 17
+ BCC QSO Party	1930Z-1959Z, Sep 17 (CW) and 2000Z-2029Z, Sep 17 (SSB) and 2030Z-2059Z, Sep 17 (RTTY)
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 18
+ NCCC Sprint	0230Z-0300Z, Sep 18
+ AGB NEMIGA Contest	2100Z-2400Z, Sep 18
+ Collegiate QSO Party	0000Z, Sep 19 to 2359Z, Sep 20
+ ARRL 10 GHz and Up Contest	0600 local, Sep 19 to 2400 local, Sep 20
+ SARL VHF/UHF Digital Contest	1200Z, Sep 19 to 0800Z, Sep 20
+ Scandinavian Activity Contest, CW	1200Z, Sep 19 to 1200Z, Sep 20
+ All Africa International DX Contest	1200Z, Sep 19 to 1200Z, Sep 20
+ SRT HF Contest SSB	1300Z, Sep 19 to 1300Z, Sep 20
+ Iowa QSO Party	1400Z, Sep 19 to 0200Z, Sep 20
+ QRP Afield	1500Z-2100Z, Sep 19
+ Wisconsin Parks on the Air	1600Z-2300Z, Sep 19
+ New Jersey QSO Party	1600Z, Sep 19 to 0359Z, Sep 20
+ New Hampshire QSO Party	1600Z, Sep 19 to 0400Z, Sep 20 and 1600Z-2200Z, Sep 20
+ Washington State Salmon Run	1600Z, Sep 19 to 0700Z, Sep 20 and

	1600Z-2400Z, Sep 20
+ Feld Hell Sprint	1800Z-1959Z, Sep 19
+ North American Sprint, RTTY	0000Z-0400Z, Sep 20
+ BARTG Sprint 75	1700Z-2059Z, Sep 20
+ Run for the Bacon QRP Contest	2300Z, Sep 20 to 0100Z, Sep 21
+ 144 MHz Fall Sprint	1900 local - 2300 local, Sep 21
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 22
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 22
+ SKCC Sprint	0000Z-0200Z, Sep 23
+ Phone Fray	0230Z-0300Z, Sep 23
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 23
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 23
+ CWops Mini-CWT Test	0300Z-0400Z, Sep 24
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 24
+ RSGB 80m Autumn Series, Data	1900Z-2030Z, Sep 24
+ NCCC RTTY Sprint	0145Z-0215Z, Sep 25
+ NCCC Sprint	0230Z-0300Z, Sep 25
+ CQ Worldwide DX Contest, RTTY	0000Z, Sep 26 to 2400Z, Sep 27
+ Maine QSO Party	1200Z, Sep 26 to 1200Z, Sep 27
+ AGCW VHF/UHF Contest	1400Z-1700Z, Sep 26 (144) and 1700Z-1800Z, Sep 26 (432)
+ QCX Challenge	1300Z-1400Z, Sep 28
+ QCX Challenge	1900Z-2000Z, Sep 28
+ RSGB FT4 Contest Series	1900Z-2030Z, Sep 28
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Sep 29
+ QCX Challenge	0300Z-0400Z, Sep 29
+ RTTYOPS Weeksprint	1700Z-1900Z, Sep 29
+ 222 MHz Fall Sprint	1900 local - 2300 local, Sep 29
+ Phone Fray	0230Z-0300Z, Sep 30
+ CWops Mini-CWT Test	1300Z-1400Z, Sep 30
+ CWops Mini-CWT Test	1900Z-2000Z, Sep 30
+ UKEICC 80m Contest	2000Z-2100Z, Sep 30

